

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Permit: V-07-015

Accuride Corporation

Henderson, KY 42420

August 14, 2008

Linda Martin, Reviewer

SOURCE ID:	21-101-00030
AGENCY INTEREST:	1786
ACTIVITY:	APE20020001

SOURCE DESCRIPTION:

Accuride Corporation (Accuride) is a manufacturer of wheels for heavy, medium, and light-duty trucks. The Accuride Henderson, Kentucky facility is located at 2315 Adams Lane in Henderson County and primarily manufactures truck wheels. Accuride was issued an initial Title V permit on March 5, 1998.

Accuride manufactures wheels by means of two processes. The first process starts with the rim line where flat steel is rolled to form the wheel rim. The discs are manufactured by spinning and stamping. The rim and disc are then washed before proceeding to the assembly area where the disc and rim are assembled and welded to form the wheel. The wheel is then conveyed to the paint line where the wheel undergoes a multistage electrocoating process where the paint coating is applied. The coated wheel is then dried in the dehydration and curing oven. Once the wheels leave the ovens, they are either conveyed to the stacking area where they are prepared for shipping or sent to the powder coating process.

The second process involves a powder coating system. A portion of the electrocoated wheels from the first process are conveyed to the second process for powder coating. The powder coating includes pre-washing, drying, powder coating, and oven curing stages. Stage 1 of the pre-wash involves the use of a slightly acidic surfactant cleaner. Stage 2 of the pre-wash is a clean water rinse followed by Stage 3, which is a water/surfactant spray rinse. From the pre-washing cycle, the wheel is conveyed to a natural gas fired drying unit and a chilled-air cooling tunnel. The wheel is then powder coated in an environmentally controlled room where the booth exhaust is re-circulated into the booth (integral recirculation system). Following the powder coating booth, a natural gas-fired curing oven is employed to cure the powder coating. The wheels are then conveyed to the stacking area where they are prepared for shipping.

On September 5, 2002, the Division received an application from the permittee for the renewal of Title V Permit V-98-039, issued March 5, 1998. Additional revised information was submitted by the applicant on June 8, 2007. This permit is being issued pursuant to 401 KAR 52:020 as the Title V renewal permit for this source.

U.S. EPA REVIEW:

The Division has issued the proposed permit on June 16, 2008. The U.S. EPA was notified of the issuance of the proposed permit on June 16, 2008 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.